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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/057,789

DATE: 07/11/2002 P.5
TIME: 16:18:06

Input Set : A:\NADII.022A APPLICATION NO. 10057789.TXT
Output Set: N:\CRF3\07112002\J057789.raw

4 <110> APPLICANT: Paul Haynes
5 Jing Wei
6 John Yates
7 Nancy Andon
9 <120> TITLE OF INVENTION: DIFFERENTIAL LABELING FOR QUANTITATIVE
10 ANALYSIS OF COMPLEX PROTEIN MIXTURES
13 <130> FILE REFERENCE: NADII.022A
15 <140> CURRENT APPLICATION NUMBER: US 10/057,789
C--> 16 <141> CURRENT FILING DATE: 2002-06-28
18 <150> PRIOR APPLICATION NUMBER: US 60/264,576
19 <151> PRIOR FILING DATE: 2001-01-26
21 <150> PRIOR APPLICATION NUMBER: US 60/305,232
22 <151> PRIOR FILING DATE: 2001-07-13
24 <160> NUMBER OF SEQ ID NOS: 311
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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30 <212> TYPE: PRT
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Synthesized Peptide
36 <400> SEQUENCE: 1
37 Glu Asn Leu Tyr Phe Gln Gly
38 1 5
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44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Synthesized Peptide
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51 1 5 10 15
52 Gln Gly Lys
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57 <211> LENGTH: 20
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Synthesized Peptide
64 <400> SEQUENCE: 3
65 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
66 1 5 10 15

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67 Gln Gly Gly Lys
68                20
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74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthesized Peptide
79 <400> SEQUENCE: 4
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81 1                5                10                15
82 Gln Gly Ala Lys
83                20
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 19
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Synthesized Peptide
94 <400> SEQUENCE: 5
95 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
96 1                5                10                15
97 Gln Gly Lys
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 20
103 <212> TYPE: PRT
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106 <220> FEATURE:
107 <223> OTHER INFORMATION: Synthesized Peptide
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112 Gln Gly Val Lys
113                20
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117 <211> LENGTH: 18
118 <212> TYPE: PRT
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122 <223> OTHER INFORMATION: Synthesized Peptide
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126 1                5                10                15
127 Gln Gly
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137 <223> OTHER INFORMATION: Synthesized Peptide
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140 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
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142 Gln Gly Gly
146 <210> SEQ ID NO: 9
147 <211> LENGTH: 19
148 <212> TYPE: PRT
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151 <220> FEATURE:
152 <223> OTHER INFORMATION: Synthesized Peptide
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155 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
156 1 5 10 15
157 Gln Gly Ala
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 19
163 <212> TYPE: PRT
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166 <220> FEATURE:
167 <223> OTHER INFORMATION: Synthesized Peptide
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170 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
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172 Gln Gly Ala
176 <210> SEQ ID NO: 11
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178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Synthesized Peptide
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186 1 5 10 15
187 Gln Gly Val
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193 <212> TYPE: PRT
194 <213> ORGANISM: Artificial Sequence
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197 <223> OTHER INFORMATION: Synthesized Peptide
199 <400> SEQUENCE: 12
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201 1 5 10 15
202 Gln Gly Arg
206 <210> SEQ ID NO: 13
207 <211> LENGTH: 20
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence

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211 <220> FEATURE:
212 <223> OTHER INFORMATION: Synthesized Peptide
214 <400> SEQUENCE: 13
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218 20
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223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Synthesized Peptide
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230 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
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232 Gln Gly Ala Arg
233 20
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237 <211> LENGTH: 19
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239 <213> ORGANISM: Artificial Sequence
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244 <400> SEQUENCE: 15
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247 Gln Gly Arg
251 <210> SEQ ID NO: 16
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253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
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262 Gln Gly Val Arg
263 20
266 <210> SEQ ID NO: 17
267 <211> LENGTH: 19
268 <212> TYPE: PRT
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Synthesized Peptide
274 <400> SEQUENCE: 17
275 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
276 1 5 10 15
277 Gln Gly Lys

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Input Set : A:\NADII.022A APPLICATION NO. 10057789.TXT

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289 <400> SEQUENCE: 18
290 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
291 1 5 10 15
292 Gln Gly Gly Lys
293 20
296 <210> SEQ ID NO: 19
297 <211> LENGTH: 20
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
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304 <400> SEQUENCE: 19
305 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
306 1 5 10 15
307 Gln Gly Ala Lys
308 20
311 <210> SEQ ID NO: 20
312 <211> LENGTH: 19
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Synthesized Peptide
319 <400> SEQUENCE: 20
320 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
321 1 5 10 15
322 Gln Gly Lys
326 <210> SEQ ID NO: 21
327 <211> LENGTH: 20
328 <212> TYPE: PRT
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: Synthesized Peptide
334 <400> SEQUENCE: 21
335 Ala Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ser Glu Asn Leu Tyr Phe
336 1 5 10 15
337 Gln Gly Val Lys
338 20
341 <210> SEQ ID NO: 22
342 <211> LENGTH: 19
343 <212> TYPE: PRT
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Synthesized Peptide

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→ Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 07/11/2002

PATENT APPLICATION: US/10/057,789

TIME: 16:18:07

Input Set : A:\NADII.022A APPLICATION NO. 10057789.TXT

Output Set: N:\CRF3\07112002\J057789.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:617 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:40
L:620 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16
L:645 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:649 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:42
L:650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:675 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:679 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:44
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:780 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:46
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:797 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:47
L:798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:810 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:814 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:48
L:815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:827 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:831 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:49
L:832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:844 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:848 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:50
L:849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:861 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:865 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:51
L:866 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:878 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:882 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:52
L:883 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0
L:895 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:899 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:53
L:900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:912 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:916 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:54
L:917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0
L:931 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:935 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:55
L:936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:1004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:16
L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0
L:1046 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1050 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:62
L:1053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:16
L:1078 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1082 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:64
L:1083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0

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Input Set : A:\NADII.022A APPLICATION NO. 10057789.TXT

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L:1098 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0
L:1115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:16
L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0
L:1145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0
L:1162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0
L:1177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:1192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
L:1210 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:72
L:1211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
L:1226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:1241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
L:1256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
L:1271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:1286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0
L:1301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0
L:1316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:16
L:1348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:1366 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:82
L:1369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:16
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:16
L:1403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:16
L:1421 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:85
L:1424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:16
L:1441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:16
L:1456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0
L:1473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0
L:1490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
L:1505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:0
L:1520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:0
L:1537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:0
L:1557 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:93
L:1558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:0
L:1573 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0
L:1802 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:108
L:1919 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:115
L:2140 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:129
L:2257 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:136
L:2779 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:168
L:4214 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:257
L:4416 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:269